Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/04/2019 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123460	-2	2.32	123504	2.29
Blue	F	SSC	125000	123406	-2	3.96	124108	3.96
Blue	E	FITC	16694	16220	-3	3.96	376	21.26
Blue	D	PE	32792	32310	-2	3.23	713	16.51
Blue	B	PerCP-Cy5-5	44451	44141	-1	4.72	1209	22.41
Blue	A	PE-Cy7	33645	33912	0	7.15	614	47.73
Red	C	APC	47008	46499	-2	3.03	1794	13.70
Red	A	APC-Cy7	32298	31802	-2	2.91	796	14.30
Violet	B	V450	8961	8598	-5	4.76	476	14.83
Violet	A	V500	32726	31483	-4	4.47	759	11.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20187	3.72	605	-8	N/A	N/A	Pass
Blue	F	SSC	55856	3.54	575	7	N/A	N/A	Pass
Blue	E	FITC	64	68.96	562	-1	0.0168	128	Pass
Blue	D	PE	140	58.36	566	0	0.1293	292	Pass
Blue	B	PerCP-Cy5-5	223	54.73	670	-1	0.0078	58	Pass
Blue	A	PE-Cy7	122	117.52	726	0	0.0091	26	Pass
Red	C	APC	412	29.39	613	0	0.0183	139	Pass
Red	A	APC-Cy7	197	32.03	585	0	0.0044	994	Pass
Violet	B	V450	69	70.60	480	-6	0.0400	2032	Pass
Violet	A	V500	107	38.21	490	-6	0.0200	936	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.70	-32.04	1.11
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.98	13.60 - 20.40	N/A	N/A	29.04	29.68	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13536

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments